

Figure 1. Mouse Klf4 DNA sequence (SEQ ID NO: 1)

```

1 gacgccaaaga gagcgagcgc gggtccgggc ggcgggggag cagaggcggt ggcggggcggc
61 gggggcaccg ggagccgcgc agtgccctc cccgccctc cagccccca ccaggaacc
121 cgcgcgtgac ccgcgccat ggcgcgcgc acccggtaca gtccccagga ctccgcaccg
181 cgcgcaccg tccagctgc agttccgcgc caccgcggcc attctcactt ggcgcgcgcg
241 cccgccaccg cccggaccac agcccccgcg ccgcgcagag ccacagtggc cgcgacaacg
301 gtgggggaca ctgctgagtc caagagcgtg cagcctggcc atcggaccta cttatctgcc
361 ttgctgattg tctattttta taagagtta caacttttct aagaattttt gtatacaaa
421 gaactttttt taaagacatc gccggtttat attgaatcca aagaagaagg atctcgggca
481 atctgggggt tttggtttga ggttttgttt ctaaagtttt taatcttctg tgactttggg
541 gctcaggtac cctctctct tcttcggact ccggaggacc ttctggggcc ccacattaat
601 gaggcagcca cctggcgagt ctgacatggc tgtcagcgac gctctgctcc cgtccttctc
661 caggttcgcg tccggcccgc cgggaaggga gaagacactg cgtccagcag gtgcccgcac
721 taaccgttgg cgtgaggaa cctctcacat gaagcgactt ccccaacttc ccggccgccc
781 ctacgacctg ggcgcgacgc tggccacaga cctggagagt ggcggagctg gtgcagcttg
841 cagcagtaac aaccgcggcc tcctagcccg gagggagacc gaggagttca acgacctctt
901 ggacctagac tttatccttt ccaactcgct aaccaccag gaatcggtgg ccgccaccgt
961 gaccacctcg gcgtcagctt cctctctgct tccccggcg agcagcggc cgtccagcgc
1021 gcccctccac tgcagcttca gctatccgat ccggggcggg ggtgaccgg gcgtggctgc
1081 gagaaacaca ggtggagggc tctctacag ccgagaatct gcgccacctc ccacggcccc
1141 cttcaacctg ggggacatca atgacgtgag cccctcgggc ggcttcgtgg ctgagctcct
1201 ggcgcgggag ttggaccag tatacttcc gccacagcag cctcagccgc caggtggggg
1261 gctgatgggc aagtttgtgc tgaaggcgtc tctgaccacc cctggcagcg agtacagcag
1321 cccttcggtc atcagtggtt gcaaaggaa cccagacggc agccaccccg tggtagtggc
1381 gccctacagc ggtggccgcg cgcgcgtgtg ccccaagatt aagcaagagg cggctccgct
1441 ctgcacggtc agcgcgtccc tagaggcca tttgagcgtt ggacccagc tcagcaacgg
1501 ccaccggccc aacacacacg acttcccctt ggggcggcag ctccccacca ggactacccc
1561 tacactgagt cccgaggaac tgctgaacag cagggactgt caccctggc tgcctcttc
1621 cccaggattc catccccatc cgggggccaa ctaccctctt tctcgcagc accagatgca
1681 gtcacaagtc cctctctctc attatcaaga gctcatgcca ccgggttctt gcttgcaga
1741 ggagcccaag ccaaagaggg gaagaaggtc gtggcccgcc aaaagaacag ccaccacac
1801 ttgtgactat gcaggctgtg gcaaaacctt taccagagt tctcatctca aggcacacct
1861 gcgaactcac acaggcgaga aaccttacca ctgtgactgg gacggctgtg ggtggaatt
1921 cgcgcgctcc gatgaactga ccaggcacta ccgcaaacac acagggcacc ggccctttca
1981 gtgcagaag tgtgacaggg ccttttccag gtcggaccac cttgccttac acatgaagag
2041 gcacttttaa atcccacgta gtggatgtga cccacactgc caggagagag agttcagtat
2101 ttttttttct aacctttcac actgtcttcc cagaggggga ggagcccagc tggcaagcgc
2161 tacaatcatg gtcaagttcc cagcaagtca gcttgtgaat ggataatcag gagaaaggaa
2221 gagtccaaga gacaaaacag aaatactaaa acaaaacaaa caaaaaaaca aacaaaaaa
2281 ccaagaaaaa aaaatcacag aacagatggg gtctgatact ggatggatct tctatcttc
2341 caataccaaa tccaacttga acatgcccg acttacaata tgccaagggg tgactggaag
2401 tttgtggata tcagggtata cactaaatca gtgagcttgg ggggagggaa gaccaggatt
2461 cccttgaatt gtgtttcgat gatgcaatac acacgtaaag atcaccttgt atgctcttg
2521 ccttcttaaa aaaaaaaagc cattattgtg tcggagggaag aggaagcgat tcaggtagag
2581 aacatgttct aacagcctaa atgatggtgc ttggtgagtt gtggtcctaa aggtaccaa
2641 cgggggagcc aaagtctctc aactgctgca tacttttgac aaggaaaatc tagttttgtc
2701 ttccgatcta cattgatgac ctaagccagg taaataagcc tggtttattt ctgtaacatt
2761 tttatgcaga cagtctgtta tgcactgtgg tttcagatgt gcaataattt gtacaatgg
2821 ttattcccaa gtatgccttt aagcagaaca aatgtgtttt tctatatagt tccttgcctt
2881 aataaatatg taatataaat ttaaccca

```

Figure 2. DNA sequence for Human GK1f4 (SEQ ID NO:2)

```

1tcgaggcgac cgcgacagt gtgggggacg ctgctgagt gaagagagcg cagcccgcc
61 accggacctt cttactcgcc ttgctgattt tctatttttg cgtttacaac ttttctaaga
121 actttttgat acaaaggaac tttttaaaaa agacgcttcc aagttatatt taatccaaag
181 aagaaggatc tcggccaatt tggggttttg gggttttggt tcgtttcttc tcttcgttga
241 ctttgggggt caggtgcccc agctgcttcg ggctgccgag gaccttcttg gccccacat
301 taatgaggca gccacctggc gagtctgaca tggctgtcag cgacgcgctg ctcccatctt
361 tctccacgtt cgcgtctggc ccggcgggaa gggagaagac actgcgctca gcaggtgccc
421 cgaataaccg ctggcgggag gagctctccc acatgaagcg acttccccca gtgcttcccg
481 gccgccccta tgacctggcg gcggcgacgc tggccacaga cctggagagc ggcgagccg
541 gtgcggttgc cggcggtagc aacctggcgc ccctacctcg gagagagacc gaggagtcca
601 acgatctcct ggacctggac tttattctct ccaattcgct gacctatcct ccggagtccg
661 tggccgccac cgtgtcctcg tcagcgtcag cctcctcttc gtgctgcgag tcgagcagcg
721 gccctgccag cgcgccctcc acctgcagct tcacctatcc gatccgggac gggaacgacc
781 cgggcgtggc gccggcgggc acggcgggag gcctcctcta tggcaggagg tccgctcccc
841 ctccgacggc tcccttcaac ctggcgggac tcaacgacgt gagccctcgc ggcggttctg
901 tggccgagct cctgcggcca gaattggacc cgggtgtacat tccgcgcgag cagccgcagc
961 cgccaggtgg cgggctgatg ggcaagttcg tgctgaaggc gtcgctgagc gccctggca
1021 gcgagtacgg cagcccgctc gtcctcagcg tcagcaaagg cagccctgac ggcagccacc
1081 cgggtggtgt ggcgccctac aacggcgggc cgccgcgcac gtgccccaa atcaagcagg
1141 aggcggtctc ttcgtgcacc cacttggggc ctggaccccc tctcagcaat ggccaccggc
1201 cggctgcaca cgaactcccc ctggggcggc agctccccag caggactacc ccgacctgg
1261 gtcttgagga agtgcgtgagc agcagggact gtcacctgct cctgcccgtt cctccccggt
1321 tccatcccca ccgggggccc aattacccat ccttctgccc cgatcagatg cagccgcaag
1381 tcccgcgctt ccattaccaa gagctcatgc caccgggttc ctgcatgcca gaggagccca
1441 agccaaagag gggaagacga tcgtggcccc ggaaaaggac cgccaccac acttggtgatt
1501 acgcgggctg cggcaaaacc tacacaaaga gttcccatct caaggcacac ctgcgaaccc
1561 acacaggtga gaaaccttac cactgtgact gggacgggct tggatggaaa ttcgcccgt
1621 cagatgaact gaccggcac tacgtaaac acacggggca ccgcccgttc cagtgcacaa
1681 aatgcgaccg agcatttttc aggtcggacc acctgccttc acacatgaag aggcattttt
1741 aaatcccaga cagtggatat gaccacact gccagaagag aattcagtat tttttacttt
1801 tcacactgtc ttcccgatga gggaaggagc ccagccagaa agcactacaa tcatggtcaa
1861 gttcccaact gagtcatctt gtgagtggat aatcaggaaa aatgaggaat ccaaaagaca
1921 aaaatcaaag aacagatggg gtctgtgact ggatcttcta tcattccaat tctaaatccg
1981 acttgaatat tcttgacttc aaaaaatgcc aaggggggtg ctggaagttg tggatatcag
2041 ggtataaatt atatccgtga gttgggggag ggaagaccag aattcccttg aattgtgtat
2101 tgatgcaata taagcataaa agatcacctt gtattctctt taccttctaa aagccattat
2161 tatgatgtta gaagaagagg aagaaattca ggtacagaaa acatgtttta atagcctaaa
2221 tgatgggtgt tggtagtctt tggttctaaa ggtaccaaac aaggaagcca aagttttcaa
2281 actgctgcat actttgacaa ggaaaatcta tttttgtctt ccgatcaaca tttatgacct
2341 aagtcaggta atatacctgg ttacttctt tagcattttt atgcagacag tctgttatgc
2401 actgtgggtt cagatgtgca ataatttgta caatgggtta ttcccaagta tgccttaagc
2461 agaacaaatg tgtttttcta tatagttcct tgccttaata aatatgtaat ataaatttaa
2521 gcaaacgtct atttgtata tttgtaaaact acaaagtaaa atgaacattt tgtggagtgt
2581 gtatttttga tactcaaggt gagaattaag ttttaataaa acctataata ttttatctg

```

**Figure 3**

